



RAILWAY TECHNOLOGY

Mobile US-Hollow Axle Testing System



Safety and reliability are the decisive criteria for the high-speed railway traffic of the future. The in use internationally proven systems make it possible to check wheel sets semi-automatically or fully automatically for cracks in the structure or on other stress injuries.

The purpose of the testing facility is the mechanized and automated non destructive testing of assembled wheel sets with longitudinal drillings of different design with crosswise, along and volume errors.

The Test stand consists of:

- Feed unit (mechanical components and couple medium)
- Ultrasonic - Inspection system
- Data acquisition and evaluation
- Control unit

Conformity

The testing facility is conform to the requirements of the company guideline 907.0201 „Non destructive examination; Ultrasonic testing of wheel set axles with longitudinal drilling during the maintenance “of the Deutsche Bahn AG.